

US-PAT-NO: 6456783

DOCUMENT-IDENTIFIER: US 6456783 B1

TITLE: Data structure of stream data, and
recording and
playback method thereof

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Detailed Description Text - DETX (98):

That is, the aforementioned "reception time management module" functions, and stores the reception times (fetch times) of application packets and the application packets themselves in memory 426 of multiplexed information demultiplexer 425. The "stream data content analysis module" analyzes information in each application packet stored in memory 426, and recognizes a transport packet header as its header, and payload (see FIG. 14). As the type of payload, picture information, audio information, sub-picture information, data, text information, and the like are included. Each information is appended with PTS (presentation time stamp or playback time stamp). Since a transport packet header contains identification information and various kinds of attribute information, which indicate the type of data of a payload that follows the header, picture information, audio information, sub-picture information, or the like, and PTS corresponding to each information are extracted in accordance with such information.

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	1	5983270.pn.	USPA T	2004/02/2 0 15:59	
2	BRS	L2	0	l1 and content	USPA T	2004/02/2 0 16:02	
3	BRS	L3	0	l1 and payload	USPA T	2004/02/2 0 16:02	
4	BRS	L4	1	l1 and header	USPA T	2004/02/2 0 16:08	
5	BRS	L5	15543	analy\$3 near3 content	USPA T	2004/02/2 0 16:10	
6	BRS	L6	0	l1 with payload	USPA T	2004/02/2 0 16:13	
7	BRS	L7	0	l1 same payload	USPA T	2004/02/2 0 16:12	
8	BRS	L8	0	l1 and payload	USPA T	2004/02/2 0 16:13	
9	BRS	L9	0	l1 with access	USPA T	2004/02/2 0 16:13	
10	BRS	L10	1	l5 with payload	USPA T	2004/02/2 0 16:15	
11	BRS	L11	1	l5 same payload	USPA T	2004/02/2 0 16:16	
12	BRS	L12	178	payload near5 content	USPA T	2004/02/2 0 16:16	
13	BRS	L13	1	l12 with access	USPA T	2004/02/2 0 16:17	
14	BRS	L14	11	l12 same access	USPA T	2004/02/2 0 16:17	

	Error Definition	Er ro rs
1		0
2		0
3		0
4		0
5		0
6		0
7		0
8		0
9		0
10		0
11		0
12		0
13		0
14		0